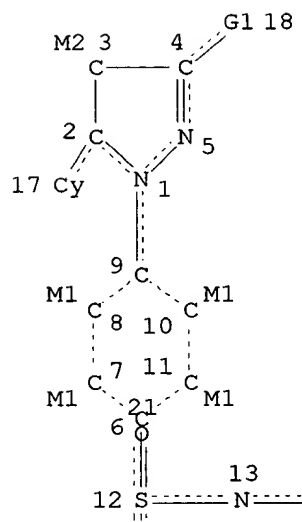
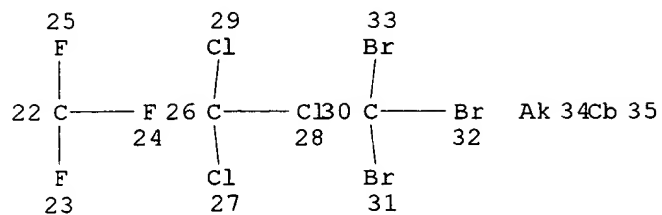


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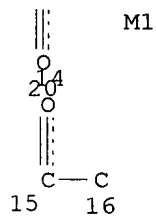
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Page 2-A

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Page 2-B

VAR G1=22/26/30/34/35

VAR G2=36/15

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GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 36

STEREO ATTRIBUTES: NONE

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100.0% PROCESSED 6393 ITERATIONS

231 ANSWERS

SEARCH TIME: 00.00.03

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FILE 'CAPLUS' ENTERED AT 13:42:33 ON 11 JAN 2001

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FILE COVERS 1967 - 11 Jan 2001 VOL 134 ISS 3

FILE LAST UPDATED: 10 Jan 2001 (20010110/ED)

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L5 26 L4

=> d 1-26 bib abs hitstr

L5 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 2000:900446 CAPLUS

TI 1-(4-Sulfamylaryl)-3-substituted-5-aryl-2-pyrazolines, method of

preparation and use as inhibitors of cyclooxygenase-2

IN Reddy, E. Premkumar; Reddy, M. V. Ramana

PA Temple University - of the Commonwealth System of Higher Education, USA

SO PCT Int. Appl., 38 pp.

COUSN: PIXX02

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000076503	A1	20001221	WO 2000-US16656	20000616

V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-139416 19990616

AB 1-(4-Sulfamylaryl)-3-X-5-Z-2-pyrazolines (X = trihalomethyl, C1-C6 alkyl, and C6H3R3R4 (R3, R4 = H, halogen, hydroxyl, nitro, C1-C6 alkyl, C1-C6 alkoxy, carboxy, C1-C6 trihaloalkyl, CN); Z = substituted and unsubstituted aryl) or a pharmaceutically acceptable salt thereof, a method of prepn. and uses as inhibitors of cyclooxygenase-2 activity are claimed. They are useful for treating cyclooxygenase-mediated disorders, including, for example, inflammation, neoplastic disorders and angiogenesis-mediated disorders. The compds. of the invention preferably are characterized by a selectivity ratio for cyclooxygenase-2 inhibition over cyclooxygenase-1 inhibition of at least .apprx.50, more preferably at least .apprx.100; data are reported for 1-(4-sulfamylphenyl)-3-trifluoromethyl-5-phenyl-2-pyrazoline and 1-(4-sulfamylphenyl)-3-trifluoromethyl-5-(3-indolyl)-2-pyrazoline. The claimed method of prepn. comprises reacting trans-2CH:CHC(O)X with 4-sulfamylphenylhydrazine or salt thereof.

IT 71203-35-5P 77121-23-4P 80883-92-7P

122259-17-0P 251442-96-3P 313236-73-6P

313236-74-7P 313236-75-8P 313236-76-9P

313236-77-0P 313236-78-1P 313236-79-2P

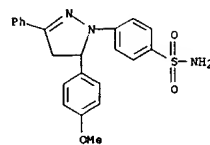
RI: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 1-(4-sulfamylaryl)-3-substituted-5-aryl-2-pyrazolines useful as selective inhibitors of cyclooxygenase-2)

RN 71203-35-5 CAPLUS

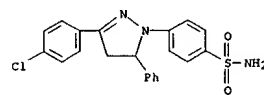
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



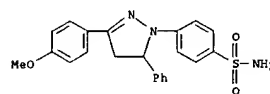
RN 77121-23-4 CAPLUS

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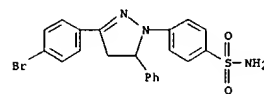
RN 80883-92-7 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 122259-17-0 CAPLUS

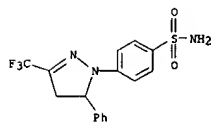
CN Benzenesulfonamide, 4-[3-(4-bromophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251442-96-3 CAPLUS

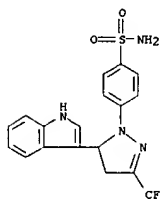
CN Benzenesulfonamide, 4-[4,5-dihydro-5-phenyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



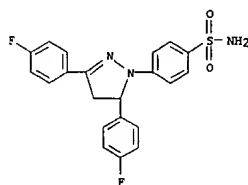
RN 313236-73-6 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-5-(1H-indol-3-yl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 313236-74-7 CAPLUS

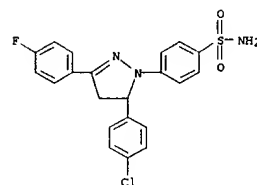
CN INDEX NAME NOT YET ASSIGNED



RN 313236-75-8 CAPLUS

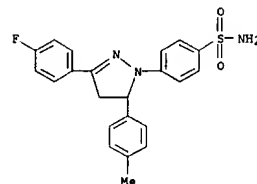
CN INDEX NAME NOT YET ASSIGNED

L5 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



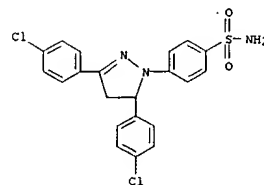
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CN INDEX NAME NOT YET ASSIGNED



RN 313236-77-0 CAPLUS

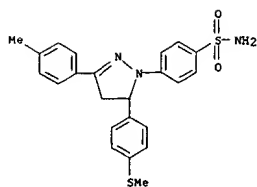
CN INDEX NAME NOT YET ASSIGNED



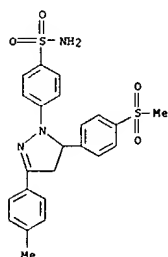
RN 313236-78-1 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

L5 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

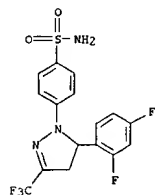


RN 313236-79-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



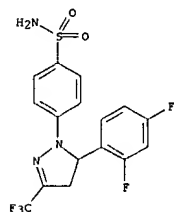
RE.CNT 3
RE
(1) Cuberes-Altisent; WO 9962884 99
(2) Faidallah; Pak J Sci Ind Res 1992, V35(1-2), P8
(3) Mengler, H; US 3865816 A 1975 CAPLUS

L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diarylpyrazoles as inhibitors of cyclooxygenase-2)
RN 251442-94-1 CAPLUS
CN Benzenesulfonamide, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



IT 251443-65-9P 251443-66-0P
RL: PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diarylpyrazoles as inhibitors of cyclooxygenase-2)
RN 251443-65-9 CAPLUS
CN Benzenesulfonamide, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

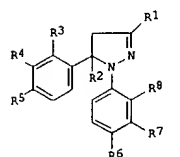


RN 251443-66-0 CAPLUS
CN Benzenesulfonamide, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).

L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS
AN 1999:784081 CAPLUS
DN 132:12302
TI Diarylpyrazoles as inhibitors of cyclooxygenase-2
IN Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana Maria; Contijoch-Llobet, Maria Montserrat; Frigola-Constans, Jordi
PA Laboratorios Del Esteve, S.A., Spain
SO PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DT Patent
LA Spanish
FAN.CNT 1

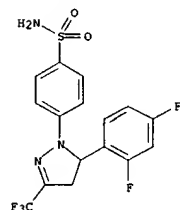
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WO 9962884	A1	19991209	WO 1999-ES156	19990527
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RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, GW, ML, HR, NE, SN, TD, TG			
ES 2137138	A1	19991201	ES 1998-1129	19980529
ES 2137138	B1	20000916		
AU 9939329	A1	19991220	AU 1999-39329	19990527
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WO 1999-ES156		19990527		
OS MARPAT 132:12302				
GI				



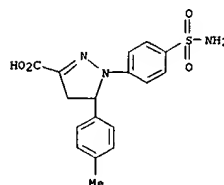
AB Diarylpyrazoles I [R1 = H, Me, CH2F, CHF2, CF3, CO2H, alkoxycarbonyl, carbamoyl, CN; R2 = H, Me, R3, R4, R7, R8 = H, Cl, F, Me, CF3, OMe; R5 = H, Cl, F, Me, CF3, OMe, OCF3, R6 = SO2Me, SO2NH2, SO2NHAc; R5 = SO2Me, SO2NH2, SO2NHAc, R6 = H, Cl, F, Me, CF3, OMe, OCF3] were prepd. for use in treating inflammation and other processes mediated by COX-2. Thus, 2,4-F2C6H3CHO was treated with CF3COMe to give (E)-2,4-F2C6H3CH=CHOCF3 which was cyclized with 4-H2NSO2C6H4NH2 to give I [R1 = CF3, R2-R4, R7, R8 = H, R5 = SO2Me, R6 = Me] which gave 92% inhibition of COX-2 activity at 40 mg/kg orally in rats.

IT 251442-94-1P
RL: BAC (Biological activity or effector, except adverse); RCT (Reactant);

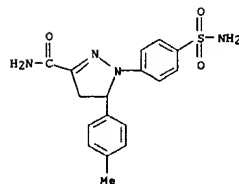
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



IT 251443-24-0P 251443-31-9P
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diarylpyrazoles as inhibitors of cyclooxygenase-2)
RN 251443-24-0 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (9CI) (CA INDEX NAME)



RN 251443-31-9 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (9CI) (CA INDEX NAME)

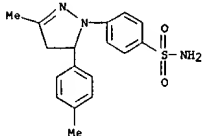


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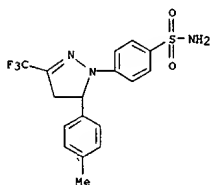
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

IT 123909-93-3P 251442-92-9P 251442-93-0P
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 251443-04-6P 251443-05-7P 251443-06-8P
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 251443-52-4P 251443-53-5P 251443-54-6P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prep. of diarylpyrazoles as inhibitors of cyclooxygenase-2)
 RN 123909-93-3 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-methyl-5-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



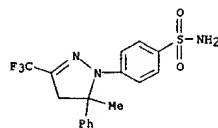
RN 251442-92-9 CAPLUS
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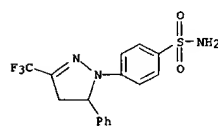
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 CN Benzenesulfonamide, 4-[4,5-dihydro-5-methyl-5-phenyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

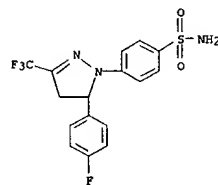
1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



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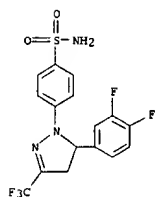


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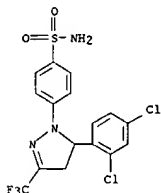


RN 251443-02-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

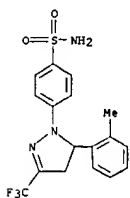
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



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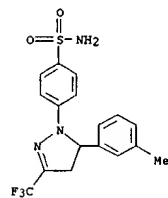
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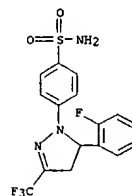
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L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

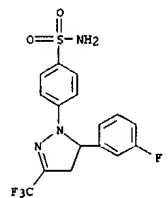
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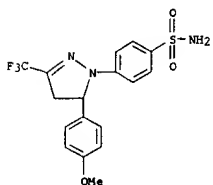
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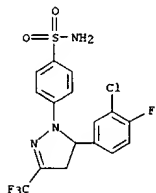
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 CN Benzenesulfonamide, 4-[5-(3-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
 RN 251443-11-5 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

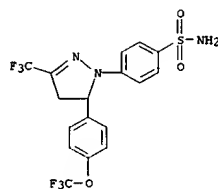


RN 251443-12-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

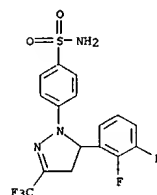


RN 251443-13-7 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-(trifluoromethoxy)phenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

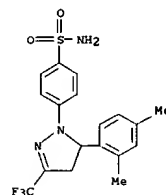
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 251443-14-8 CAPLUS
 CN Benzenesulfonamide, 4-[5-(2,3-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

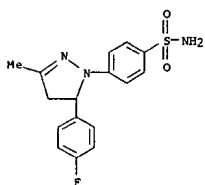


RN 251443-15-9 CAPLUS
 CN Benzenesulfonamide, 4-[5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

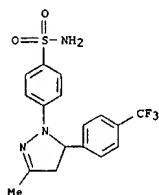


L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

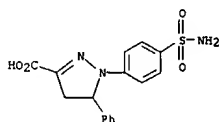
RN 251443-17-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-fluorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-20-6 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-methyl-5-(4-(trifluoromethyl)phenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

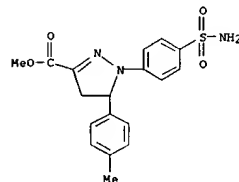


RN 251443-25-1 CAPLUS
 CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl- (9CI) (CA INDEX NAME)

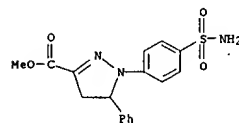


RN 251443-27-3 CAPLUS
 CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (9CI) (CA INDEX NAME)

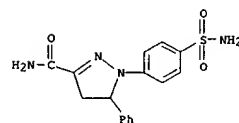
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 251443-28-4 CAPLUS
 CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl-, methyl ester (9CI) (CA INDEX NAME)

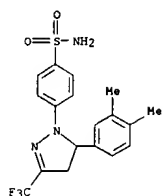


RN 251443-30-8 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl- (9CI) (CA INDEX NAME)

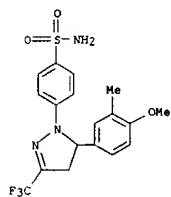


RN 251443-34-2 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

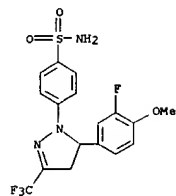


RN 251443-35-3 CAPLUS
 CN Benzenesulfonamide, 4-([5-(3-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

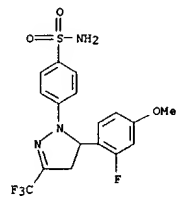


RN 251443-36-4 CAPLUS
 CN Benzenesulfonamide, 4-([5-(3-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

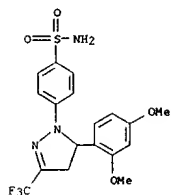


RN 251443-37-5 CAPLUS
 CN Benzenesulfonamide, 4-([5-(2-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

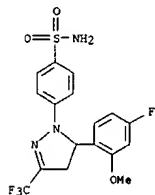


RN 251443-38-6 CAPLUS
 CN Benzenesulfonamide, 4-([5-(2,4-dimethoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

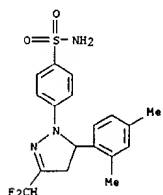
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 251443-39-7 CAPLUS
 CN Benzenesulfonamide, 4-([5-(4-fluoro-2-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

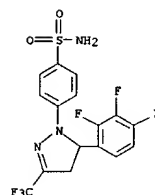


RN 251443-40-0 CAPLUS
 CN Benzenesulfonamide, 4-([3-(difluoromethyl)-5-(2,4-dimethylphenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

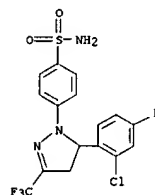


RN 251443-41-1 CAPLUS
 CN Benzenesulfonamide, 4-([4,5-dihydro-3-(trifluoromethyl)-5-(2,3,4-

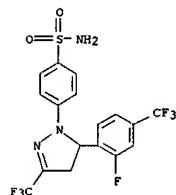
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 251443-42-2 CAPLUS
 CN Benzenesulfonamide, 4-([5-(2-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



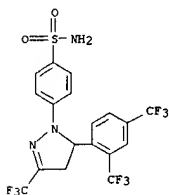
RN 251443-43-3 CAPLUS
 CN Benzenesulfonamide, 4-([5-(2-fluoro-4-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

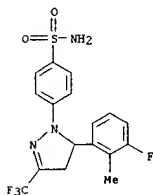
RN 251443-44-4 CAPLUS

CN Benzenesulfonamide, 4-[5-[2,4-bis(trifluoromethyl)phenyl]-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-45-5 CAPLUS

CN Benzenesulfonamide, 4-[5-[3-fluoro-2-methylphenyl]-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-46-6 CAPLUS

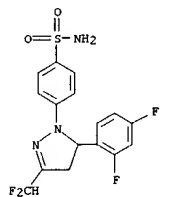
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxy-2-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 251443-47-7 CAPLUS

CN Benzenesulfonamide, 4-[3-(difluoromethyl)-5-(2,4-difluorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

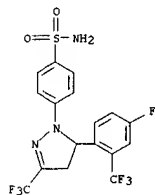


RN 251443-48-8 CAPLUS

CN Benzenesulfonamide, 4-[5-(4-fluoro-2-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

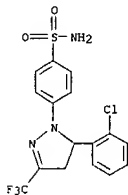


L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



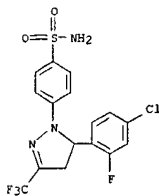
RN 251443-50-2 CAPLUS

CN Benzenesulfonamide, 4-[5-(2-chlorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-51-3 CAPLUS

CN Benzenesulfonamide, 4-[5-(4-chloro-2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

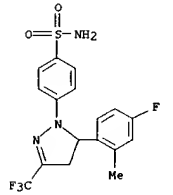


RN 251443-52-4 CAPLUS

CN Benzenesulfonamide, 4-[5-(4-fluoro-2-methylphenyl)-4,5-dihydro-3-

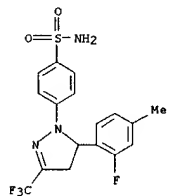
L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



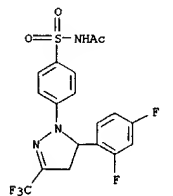
RN 251443-53-5 CAPLUS

CN Benzenesulfonamide, 4-[5-(2-fluoro-4-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-54-6 CAPLUS

CN Acetamide, N-[[4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

RE.CNT 7

RE

(1) Bauer, US 4425179 A 1984 CAPLUS

(3) Catsoulacos, P; Synthesis of substituted pyrazolines Chim Chron 1966, V31(1), P1 CAPLUS

(5) EI Dupont De Nemours and Cor WO 8806583 A 1988 CAPLUS

(6) Feid-Allah, H; Pharmazie 1981, V36(11), P754 CAPLUS

(7) Mokhtar, H; Part II PakSci Ind Res 1990, V33(1-2), P30 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1997:102309 CAPLUS

DN 126:199491

TI New pyrazoline and pyrazole derivatives

AU Ankiwala, M. D.; Hathi, M. V.

CS Chem. Dep., R. R. Mehta Coll. Sci., Palanpur, 385 002, India

SO J. Inst. Chem. (India) (1996), 68(4), 105-107

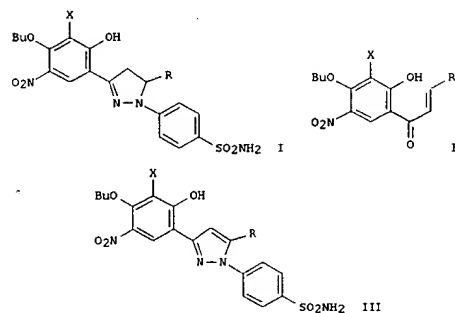
CODEN: JOICA7; ISSN: 0020-3254

PB Institution of Chemists (India)

OT Journal

LA English

GI



AB Some new 2-pyrazolines I (R = 3,4-Cl₂C₆H₃, 4-BrC₆H₄, 2-pyridyl, 2-furyl, 2-HOC₆H₄; X = H, Br) have been prepd. by the reaction of 2'-hydroxy-3'-bromo-4'-butoxy-5'-nitrochalcones II with p-sulphamylphenylhydrazine hydrochloride. Mild oxidn. of the pyrazolines with bromine water led to the formation of the correspondings pyrazoles III. The structures of the products have been characterized by IR and NMR spectral studies.

IT 187611-42-3P 187611-45-6P 187611-46-7P

187611-47-8P 187611-48-9P 187611-49-0P

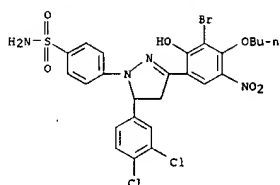
187611-50-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyrazoles and pyrazolines)

RN 187611-42-3 CAPLUS

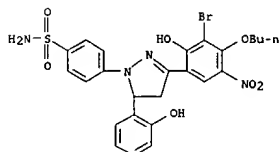
CN Benzenesulfonamide, 4-[3-(3-bromo-4-butoxy-2-hydroxy-5-nitrophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



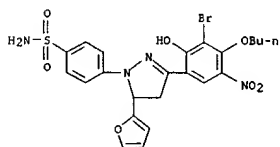
RN 187611-45-6 CAPLUS

CN Benzenesulfonamide, 4-[3-(3-bromo-4-butoxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-hydroxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 187611-46-7 CAPLUS

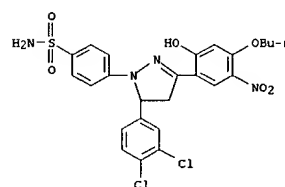
CN Benzenesulfonamide, 4-[3-(3-bromo-4-butoxy-2-hydroxy-5-nitrophenyl)-5-(2-furanyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 187611-47-8 CAPLUS

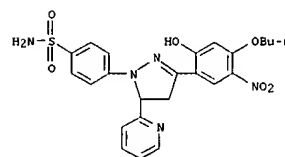
CN Benzenesulfonamide, 4-[3-(4-butoxy-2-hydroxy-5-nitrophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



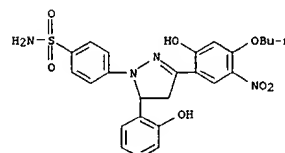
RN 187611-48-9 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-butoxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridinyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 187611-49-0 CAPLUS

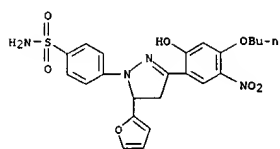
CN Benzenesulfonamide, 4-[3-(4-butoxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-hydroxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



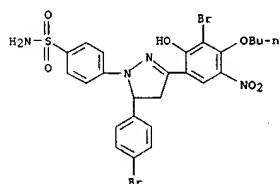
RN 187611-50-3 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-butoxy-2-hydroxy-5-nitrophenyl)-5-(2-furanyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

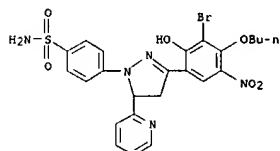
L5 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



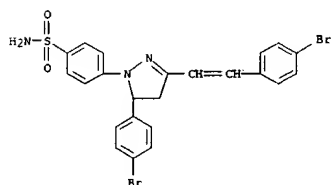
IT 187611-43-4P 187611-44-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyrazoles and pyrazolines)
 RN 187611-43-4 CAPLUS
 CN Benzenesulfonamide, 4-[3-(3-bromo-4-butoxy-2-hydroxy-5-nitrophenyl)-5-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 187611-44-5 CAPLUS
 CN Benzenesulfonamide, 4-[3-(3-bromo-4-butoxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridinyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



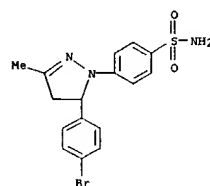
L5 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



L5 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1996:714395 CAPLUS
 DN 126:47144
 TI Synthesis of some hydrazone and pyrazoline derivatives
 AU Faidallah, Hassan M.; Mokhtar, Hassan M.; Nassar, Ahmed; Ahmed, Mohamed M.
 CS Faculty Science, University Alexandria, Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1995), 38(5-6), 179-181
 CODEN: PSIRAA; ISSN: 0030-9885
 PB Pakistan Council of Scientific and Industrial Research
 DT Journal
 LA English
 AB Condensation of chalcones with acylhydrazines and arylhydrazines gave the corresponding hydrazones, and cyclization of the hydrazones with HCl gave pyrazoline derivs. which on oxidn. with bromine water yielded the corresponding pyrazoles.

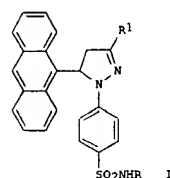
IT 184775-79-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyrazoline derivs. from chalcones and hydrazines)
 RN 184775-79-9 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



IT 184775-82-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyrazoline derivs. from chalcones and hydrazines)
 RN 184775-82-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-3-[2-(4-bromophenyl)ethenyl]-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

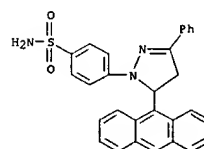
L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1996:672022 CAPLUS
 DN 125:328590
 TI Synthesis and biological activity of new pyrazolines and pyrazoles
 AU Basaif, Salem A.; Faidallah, Hassan M.; Hasan, Seham Y.
 CS Faculty Science, University King Abdulaziz, Jeddah, 21413, Saudi Arabia
 SO Indian J. Heterocycl. Chem. (1996), 6(1), 53-58
 CODEN: IJCHEI; ISSN: 0971-1627
 DT Journal
 LA English
 GI



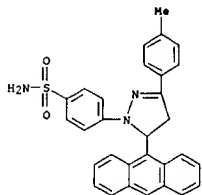
AB Condensation of p-sulfamylphenylhydrazine with chalcones leads either to hydrazones or to pyrazolines I (R = H, R1 = Ph, p-tolyl, p-BrC6H4). Oxidn. of I (R = H) afforded the corresponding pyrazole derivs. Benzenesulfonylureas and -thioureas I (R = CONHR2 or CSNHR2 (R2 = Ph, cyclohexyl, 1-naphthyl, PhCH2)) were also prepd. Cyclization of the thioureido group of compds. I (R = CSNHR2) by treating with Et bromoacetate, Et .beta.-bromopropionate, or .alpha.-bromoacetophenone afforded the corresponding thiazolidinone, thiazinone and thiazoline derivs., resp. The synthesized compds. showed no antibacterial or antifungal activities.

IT 183243-05-2P 183243-06-3P 183243-07-4P
 183243-10-7P 183243-20-1P 183243-22-3P
 183243-24-5P 183243-25-7P 183243-28-9P
 RL: BAC (Biological activity or effector, except adverse); RCT (Reactant);
 SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (synthesis and biol. activity of new pyrazolines and pyrazoles)
 RN 183243-05-2 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

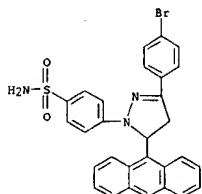


RN 183243-06-3 CAPLUS

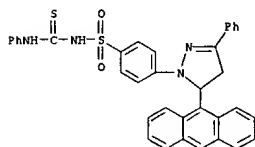
L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



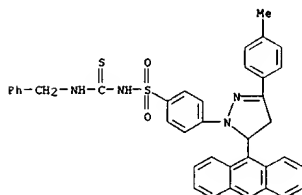
RN 183243-07-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



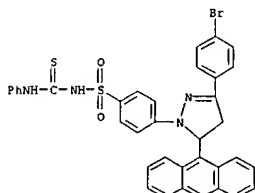
RN 183243-18-7 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



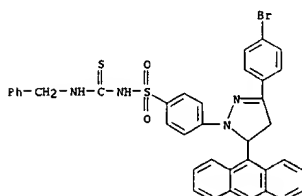
L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 183243-26-7 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



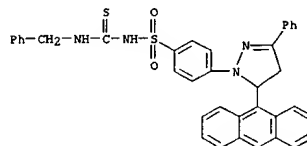
RN 183243-28-9 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



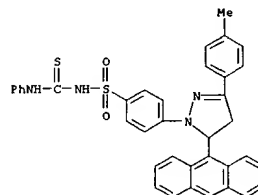
IT 183243-11-0P 183243-12-1P 183243-13-2P

L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 183243-20-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 183243-22-3 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

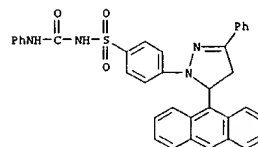


RN 183243-24-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

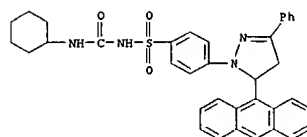
L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

183243-14-3P 183243-15-4P 183243-16-5P
 183243-17-6P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (synthesis and biol. activity of new pyrazolines and pyrazoles)

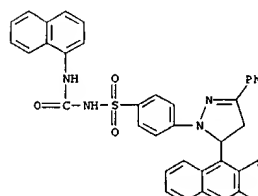
RN 183243-11-0 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 183243-12-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

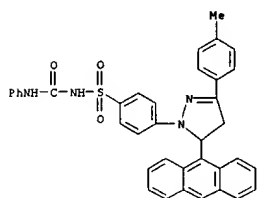


RN 183243-13-2 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(1-naphthalenylamino)carbonyl]- (9CI) (CA INDEX NAME)

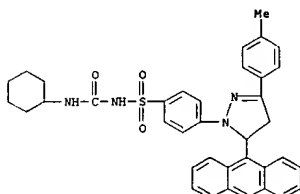


RN 183243-14-3 CAPLUS

L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

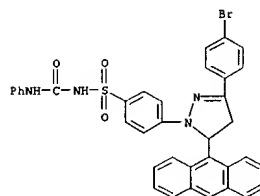


RN 183243-15-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

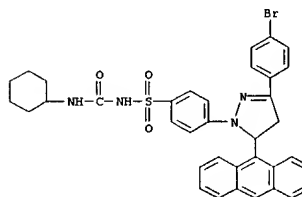


RN 183243-16-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

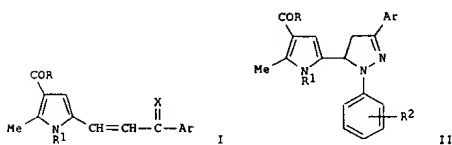
L5 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 183243-17-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-(9-anthracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)



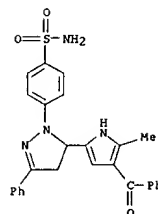
L5 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1996:426767 CAPLUS
 DN 125:142626
 TI Synthesis and spectral studies of some new pyrazolines and pyrazoles
 AU El Sadek, M. M.; Faidallah, H. M.; El Socary, Nagwa N.; Hassan, Seham Y.
 CS Faculty Science, Alexandria University, Alexandria, Egypt
 SO Egypt. J. Chem. (1995), 38 (4), 403-418
 CODEN: EGJCA3; ISSN: 0367-0422
 DT Journal
 LA English
 GI



AB A no. of 3'-(3-aryl-2-methylpyrrol-5-yl)-1'-aryl-2'-propen-1'-ones I (R = Ar = Ph, R1 = H, X = O; R = OEt, R1 = Me, Ar = 4-BrC6H4, X = O; R = OEt, R1 = H, Ar = Ph, 4-ClC6H4, 4-BrC6H4, 4-MeC6H4, 4-MeOC6H4, 4-HOC6H4, 4-H2NC6H4, 4-O2NC6H4, X = O) have been prepd. and transformed into the corresponding arylhydrazones I [X = NNHC6H4R2, R2 = H, 4-NO2, 2,4-(NO2)2]. These hydrazones were cyclized to the pyrazolines II, which were oxidized to the corresponding pyrazoles. In addn., heating of the pyrazoline II (R = EtO, R1 = Me, R2 = H, Ar = 4-BrC6H4) with hydrazine hydrate afforded the hydrazide II (R = NNH2, R1 = Me, R2 = H, Ar = 4-BrC6H4) while pyrazolines II [R = EtO, R1 = H, R2 = 2,4-(O2N)2, Ar = 4-H2NC6H4; R = EtO, R1 = Me, R2 = H, Ar = 4-BrC6H4] gave the acids II [R = OH, R1 = H, R2 = 2,4-(O2N)2, Ar = 4-H2NC6H4; R = OH, R1 = Me, R2 = H, Ar = 4-BrC6H4] upon hydrolysis. Spectral properties of the prepd. compds. were discussed.

IT 179636-04-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis and spectral studies of some new pyrazolines and pyrazoles)
 RN 179636-04-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-benzoyl-5-methyl-1H-pyrrol-2-yl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1996:122148 CAPLUS

DN 124:289336

TI Synthesis of new pyrazoline and pyrazole derivatives

AU Basaif, Salem A.; Albar, Hassan A.; Faidallah, Hassan M.

CS Faculty Science, King Abdulaziz University, Jeddah, Saudi Arabia

SO Indian J. Heterocycl. Chem. (1995), 5(2), 121-4

CODEN: IJCHEI; ISSN: 0971-1627

DT Journal

LA English

AB Condensation of p-sulfamylphenylhydrazine with chalcones, leads either to hydrazones or pyrazolines which were oxidized to pyrazoles.

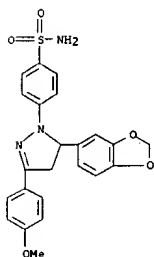
Benzenesulfonylureas and thioureas were also prepd., and the thioureas were converted to the corresponding thiazolidinones on reaction with Et bromoacetate.

IT 175654-05-4P 175654-06-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and reactions of)

RN 175654-05-4 CAPLUS

CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

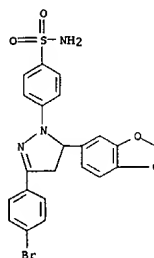


RN 175654-06-5 CAPLUS

CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)



IT 175654-11-2P 175654-12-3P 175654-13-4P

175654-14-5P 175654-15-6P 175654-22-5P

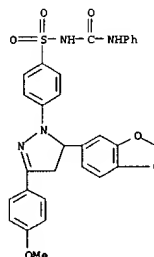
175654-23-6P 175654-24-7P 175654-25-8P

175654-26-9P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 175654-11-2 CAPLUS

CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)



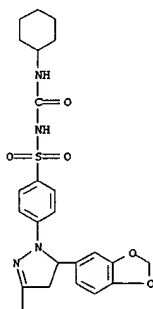
RN 175654-12-3 CAPLUS

CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)

PAGE 1-A



PAGE 2-A



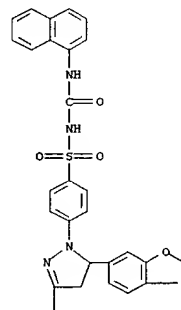
RN 175654-13-4 CAPLUS

CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[(1-naphthalenylamino)carbonyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)

PAGE 1-A



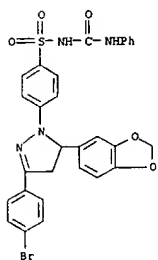
PAGE 2-A



RN 175654-14-5 CAPLUS

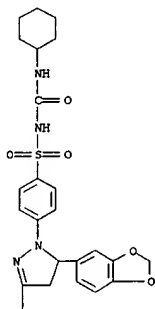
CN Benzenesulfonamide, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 175654-15-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

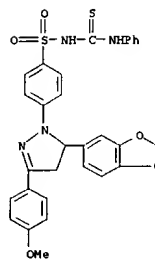


L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

PAGE 2-A

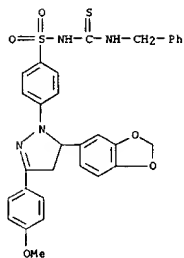


RN 175654-22-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

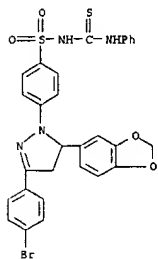


RN 175654-23-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[[[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

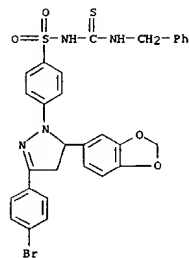


RN 175654-24-7 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

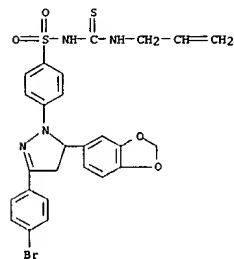


RN 175654-25-8 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[[[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 175654-26-9 CAPLUS
 CN Benzenesulfonamide, 4-[5-[(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1994:534017 CAPLUS

DN 121:134017

TI Pyrazole derivatives. Part I. Synthesis and spectra of trisubstituted pyrazoline and pyrazole derivatives with possible hypoglycemic activity

AU Makki, Mohamad S. I.; Faidallah, Hassan M.

CS Fac. Sci., Univ. King Abdul Aziz, Saudi Arabia

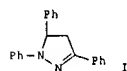
SO Int. J. Chem. (1993), 4(4), 117-28

CODEN: INUCEW

DT Journal

LA English

GI



AB Condensation of chalcones with arylhydrazines leads either to hydrazones or pyrazolines, e.g. I, depending on the condition of the reaction. Oxidn. of the pyrazolines with bromine water affords pyrazole derivs. Reaction of the pyrazolines and pyrazoles with isocyanate and isothiocyanate deriva. leads to the corresponding ureas and thioureas, resp. Cyclization of the thioureas with Et bromoacetate and Et bromopropionate affords thiazolidinones and thiazinones, resp.

IT 156849-08-0P 156849-17-1P 156849-18-2P

156849-19-3P 156849-20-6P 156849-25-1P

156849-26-2P 156849-27-3P 156849-28-4P

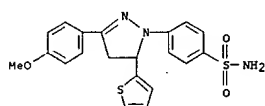
156885-17-5P 156885-39-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

RN 156849-08-0 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)

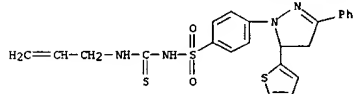


RN 156849-17-1 CAPLUS

CN Benzenesulfonamide, N-[(cyclohexylamino)carbonyl]-4-[4,5-dihydro-3-phenyl-5-(2-thienyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

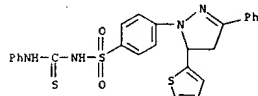
L5 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)



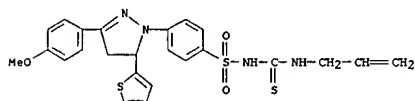
RN 156849-26-2 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-phenyl-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



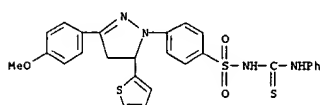
RN 156849-27-3 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



RN 156849-28-4 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

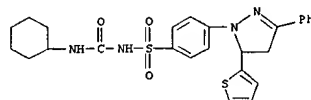


RN 156885-17-5 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-phenyl-5-(2-thienyl)-1H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)

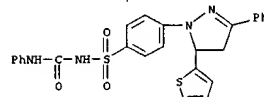
L5 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)



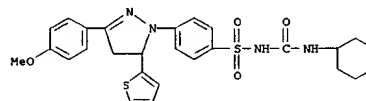
RN 156849-18-2 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-phenyl-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)



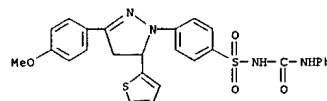
RN 156849-19-3 CAPLUS

CN Benzenesulfonamide, N-[(cyclohexylamino)carbonyl]-4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 156849-20-6 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

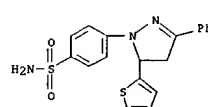


RN 156849-25-1 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-phenyl-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

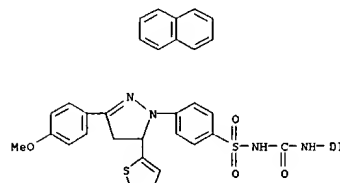
L5 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2001 ACS

(Continued)



RN 156885-39-1 CAPLUS

CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-1H-pyrazol-1-yl)]-N-[(naphthalenylamino)carbonyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1993:671065 CAPLUS
 DN 119:271065
 TI Triazole-pyrazole compounds with possible biological activity. Part-II
 AU Mokhtar, Hassan M.; Faidallah, Hassan M.; Moustafa, Jehan M.
 CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1992), 35(11), 428-33
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

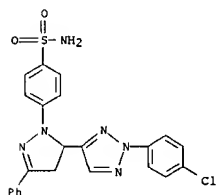
AB Condensation of 4-formyl-2-aryl-1,2,3-triazoles with acetophenones gave chalcones which were treated with hydrazines to give the corresponding hydrazones or pyrazolines. Condensation reaction of (phenyltriazolyl)(aminosulfonylphenyl)pyrazolidines I (X = halo; Y = halo, aminosulfonyl, alkyl, etc.) with isothiocyanates followed condensation with bromoacetate gave the thiazolidinones II (same X, Y; R = alkyl, aryl).

IT 150981-69-4P 150981-72-9P 150981-74-1P
 150981-77-4P 150981-78-5P 150981-80-7P
 150981-89-8P 150981-90-1P 150981-91-2P
 150981-92-3P 150981-93-4P 150981-94-5P
 150981-95-6P 150981-96-7P 150981-97-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 150981-69-4 CAPLUS

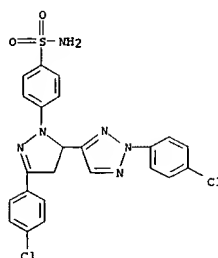
CN Benzenesulfonamide, 4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 150981-72-9 CAPLUS

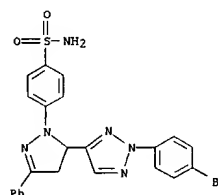
CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 150981-74-1 CAPLUS

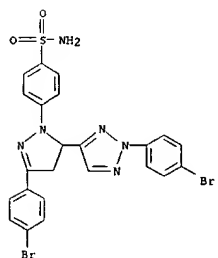
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 150981-77-4 CAPLUS

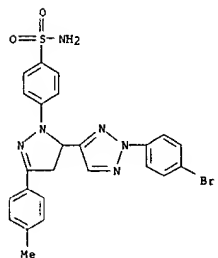
CN Benzenesulfonamide, 4-[3-(4-bromophenyl)-5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 150981-78-5 CAPLUS

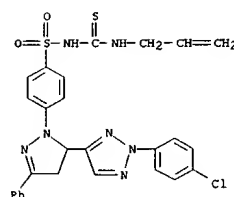
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 150981-88-7 CAPLUS

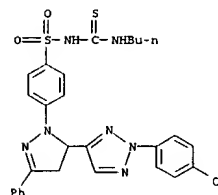
CN Benzenesulfonamide, 4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



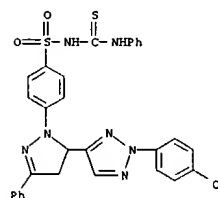
RN 150981-89-8 CAPLUS

CN Benzenesulfonamide, N-[(butylamino)thioxomethyl]-4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 150981-90-1 CAPLUS

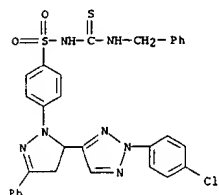
CN Benzenesulfonamide, 4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

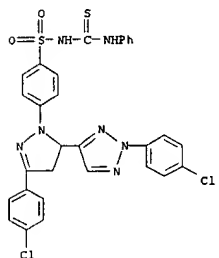
RN 150981-91-2 CAPLUS

CN Benzenesulfonamide, 4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 150981-92-3 CAPLUS

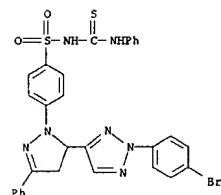
CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



RN 150981-93-4 CAPLUS

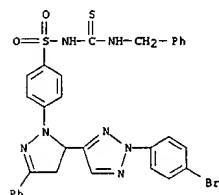
CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 150981-96-7 CAPLUS

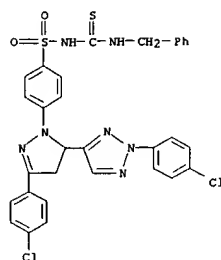
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 150981-97-8 CAPLUS

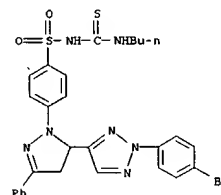
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 150981-94-5 CAPLUS

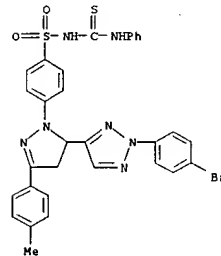
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(butylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



RN 150981-95-6 CAPLUS

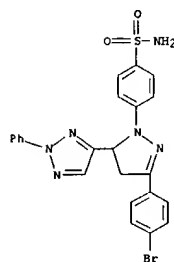
CN Benzenesulfonamide, 4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

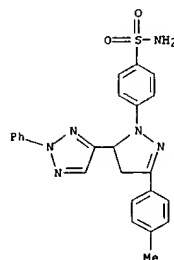


L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1993:603346 CAPLUS
 ON 119:203346
 TI Triazole-pyrazole compounds with possible biological activity. Part-I.
 Synthesis and spectra
 AU Faidallah, Hassan M.; Mokhtar, Hassan M.; Moustafa, Jehan M.;
 Kuzmickiewicz, Wojciech
 CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1992), 35(6), 213-20
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 GI

L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



IT 148649-36-9P 148649-38-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and bromination-dehydrogenation of)
 RN 148649-36-9 CAPLUS
 CN Benzenesulfonamide, 4-{4,5-dihydro-3-(4-methylphenyl)-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}- (9CI) (CA INDEX NAME)

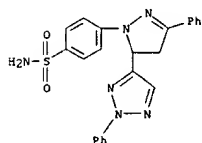


RN 148649-38-1 CAPLUS
 CN Benzenesulfonamide, 4-{3-(4-chlorophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}- (9CI) (CA INDEX NAME)

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

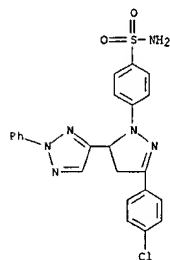
AB Condensation of aryl(aryltriazolyl)propenones I (R = H, Me, Cl, Br) with 4-R1C6H4NHNH2 (R1 = H, Me, Cl, NO2, SO2NO2, NO2, SO2NH2) leads either to hydrazones II or pyrazolines III depending upon the reaction conditions. Treatment of III with Br2 in H2O affords bromopyrazoles IV. Reaction of III and IV (R = H, Br; R1 = SO2NH2) with R2NCS (R2 = Bu, Ph, benzyl, allyl) gave the corresponding thioureas III and IV (R1 = SO2NHCSNHR2). Cyclocondensation of III (R = Br, R1 = SO2NHCSNHR2; R2 = allyl, Ph) and IV (R = H, Br; R1 = SO2NHCSNHR2; R2 = allyl, Ph) with BrCH2CO2Et in EtOH gave thiazolidinone derivs. V and VI.

IT 148649-34-7P 148649-42-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and bromination-dehydrogenation and reaction of, with isothiocyanates)
 RN 148649-34-7 CAPLUS
 CN Benzenesulfonamide, 4-{4,5-dihydro-3-phenyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}- (9CI) (CA INDEX NAME)

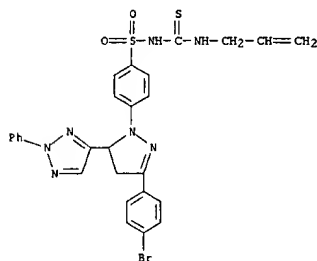


RN 148649-42-7 CAPLUS
 CN Benzenesulfonamide, 4-{3-(4-bromophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}- (9CI) (CA INDEX NAME)

L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

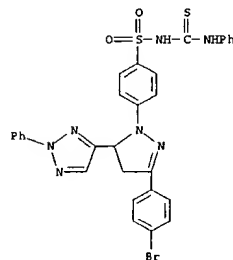


IT 148649-52-9P 148649-53-0P 148649-62-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and cyclocondensation of, with bromoacetate)
 RN 148649-52-9 CAPLUS
 CN Benzenesulfonamide, 4-{3-(4-bromophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

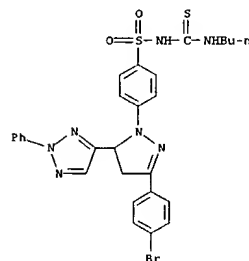


RN 148649-53-0 CAPLUS
 CN Benzenesulfonamide, 4-{3-(4-bromophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

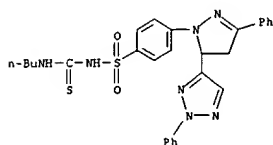


RN 148649-62-1 CAPLUS
 CN Benzenesulfonamide, 4-{3-(4-bromophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}-N-[(butylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

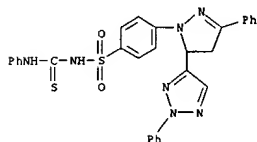


IT 148649-07-4P 148649-50-7P 148649-51-8P
 148649-61-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 148649-07-4 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)thioxomethyl]-4-{4,5-dihydro-3-phenyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl}- (9CI) (CA INDEX NAME)

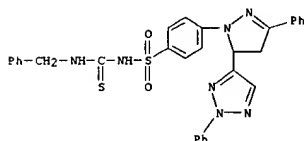
L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 148649-50-7 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-phenyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



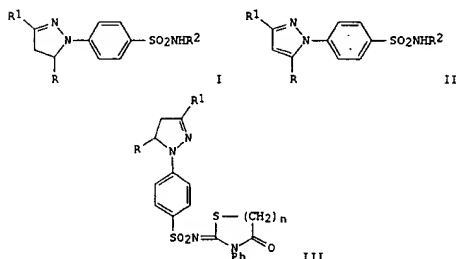
RN 148649-51-8 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-phenyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 148649-61-0 CAPLUS
 CN Benzenesulfonamide, 4-[3-(4-bromophenyl)-4,5-dihydro-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1992:591744 CAPLUS
 UN 117:191744

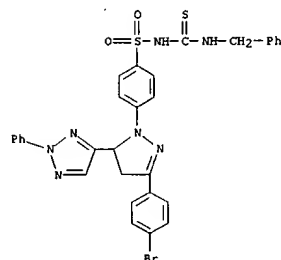
TI Trisubstituted pyrazoles of possible hypoglycemic activity
 AU Faidallah, H. M.; El Sadek, Mohamed M.; El-Massry, A. M. I.; Hassan, Saham Y.
 CS Fac. Sci., Alexandria Univ., Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1992), 35(1-2), 8-13
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 GI



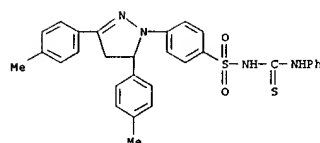
AB Cyclocondensation of 4-H2NSO2C6H4NHNH2 with chalcones RCOCH:CHR1 (R = 4-MeOC6H4, 4-MeC6H4, R1 = 4-MeOC6H4, 4-MeC6H4) gave diaryldihydropyrazoles I (R2 = H) in 42-82% yields. Mild oxidn. of I with bromine water gave pyrazoles II (R2 = H), while condensation of I and II (R2 = H) with isocyanates and isothiocyanates gave I and II (R2 = CONHPh, CONHBu, CONHC6H11, CSNHPH, CSNHCH2CH:CH2). Cyclocondensation of I (R = R1 = 4-MeC6H4, R2 = CSNHPH) with BrCH2CO2Et gave thiazolidinone III (n = 1), while condensation of I (R = 4-MeOC6H4, R1 = 4-MeC6H4, R2 = CSNHPH) with BrCH2CH2CO2Et gave dihydrothiazinone III (n = 2).

IT 143809-45-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and cyclocondensation of, with bromoacetate, iminothiazolidinone from)
 RN 143809-45-4 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

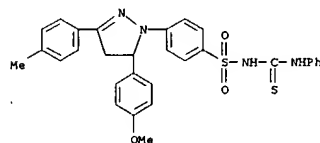
L5 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

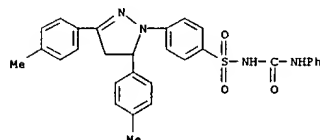


IT 143809-53-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and cyclocondensation of, with bromopropionate, iminodihydrothiazinone from)
 RN 143809-53-4 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



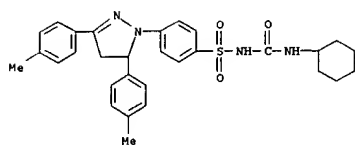
IT 143809-42-1P 143809-43-2P 143809-44-3P
 143809-46-5P 143809-47-6P 143809-48-7P
 143809-49-8P 143809-50-1P 143809-51-2P
 143809-52-3P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
 RN 143809-42-1 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

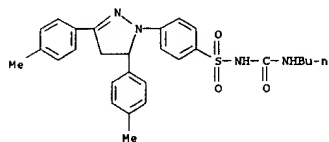


RN 143809-43-2 CAPLUS
 CN Benzenesulfonamide, N-[(cyclohexylamino)carbonyl]-4-[4,5-dihydro-3,5-bis(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

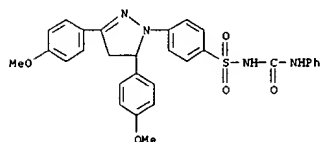
L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 143809-44-3 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[4,5-dihydro-3,5-bis(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

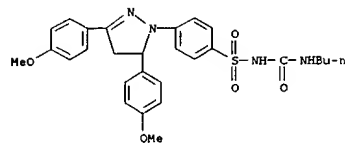


RN 143809-46-5 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methoxyphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

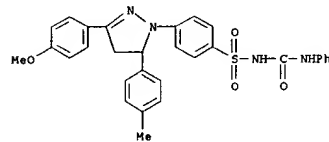


RN 143809-47-6 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[4,5-dihydro-3,5-bis(4-methoxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

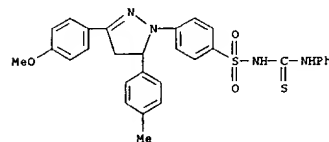
L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 143809-48-7 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

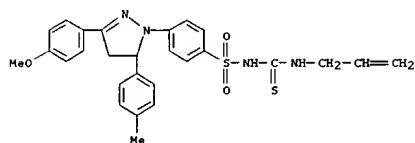


RN 143809-49-8 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)thiomethyl]- (9CI) (CA INDEX NAME)

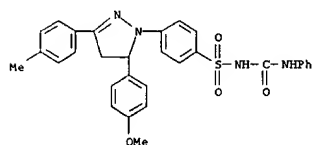


RN 143809-50-1 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(2-propenylamino)thiomethyl]- (9CI) (CA INDEX NAME)

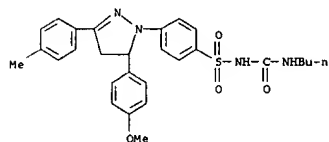
L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 143809-51-2 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(4-methylphenyl)-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 143809-52-3 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

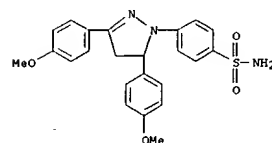


IT 80883-93-8P 143809-35-2P 143809-36-3P

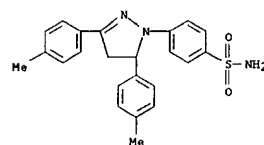
143809-37-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn., dehydrogenation, and addn. reactions of, with isocyanates and isothiocyanates)

RN 80883-93-8 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methoxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

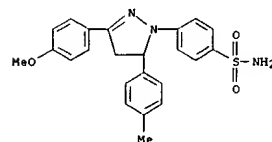
L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 143809-35-2 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

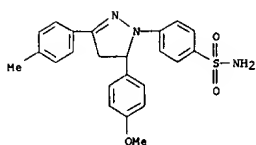


RN 143809-36-3 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 143809-37-4 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



L5 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1992:409795 CAPLUS

DN 117:9795

TI Electronic nature of polyfluoroalkoxysulfonyl groups and their effect on spectral characteristics of azo and triarylpyrazoline dyes

AU Popov, V. I.; Skripkina, V. T.; Protsyk, S. P.; Skrynnikova, A. A.; Krasovitskii, B. M.; Yagupol'skii, L. M.

CS Inst. Org. Khim., Kiev, USSR

SO Ukr. Khim. Zh. (Russ. Ed.) (1991), 57(8), 843-9

CODEN: UKZHAU; ISSN: 0041-6045

OT Journal

LA Russian

AB The electron-acceptor nature of polyfluoroalkoxysulfonyl groups was comparable to that of a HCF₂SO₂ group. The similarity of the electron nature of these groups was supported by the similarity of their influence on the spectral properties of azo and triarylpyrazoline dyes. The polyfluoroalkoxysulfonyl groups exhibited high sensitivity in arom. nucleophilic substitution reactions. Substituent consts. were detd. for ROSO₂ groups (R = alkyl, fluoroalkyl) in meta- and para-substituted fluorobenzene. Spectral data and phys. consts. are given for polyfluoroalkoxysulfonyl-substituted benzenes and triarylpyrazolines.

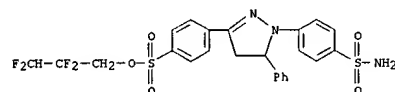
IT 141795-69-9

RL: USES (Uses)

(dye, spectral properties of, effect of polyfluoroalkoxysulfonyl groups on)

RN 141795-69-9 CAPLUS

CN Benzenesulfonic acid, 4-[1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl-1H-pyrazol-3-yl]-, 2,2,3,3-tetrafluoropropyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1992:255606 CAPLUS

DN 116:255606

TI Preparation of phenylpyrazole derivatives as additives for photosensitive resins or their base materials

IN Furuta, Yasushi; Tamura, Yoshisada

PA Nippon Chemical Works Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKKXAF

OT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1	JP 03284668	A2	19911216	JP 1990-81048	19900330
	JP 2757528	B2	19980525		
OS	MARPAT 116:255606				
G1					

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Phenylpyrazole derivs. [I, II; A = H, (R₂)nC₆H₅-n wherein R₂ = H, halo, (substituted) alkyl, etc., n = 1-3; B = Q, Q1 wherein R₃, R₄ = H, alkyl; X = O, (alkyl)imino; Y = H, Ph, alkyl- or alkoxyphenyl; Z = O, S, (alkyl)imino; R₁ = H, halo, (substituted) alkyl, etc., m = 1-3; l = O, 1; R₇, R₈ = H, halo, (substituted) alkyl, etc.] are prepd. Diazotization of amine compd. III (A = H) followed by redn. with SnCl₂ gave hydrazine III (A = NH₂), which was refluxed with chalcone and NaOAc in HOAc to give 77.6% pyrazoline deriv. I (A = Ph, R₁ = H, l = O, B = Q wherein X = NH, Y = Ph, R₃ = H), which was incorporated into a photosensitive soln. for a photosensitive element in a photoresist giving a high resolu. pattern.

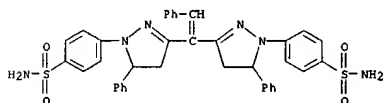
IT 141391-64-2P 141391-67-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as additive for photosensitive resins)

RN 141391-64-2 CAPLUS

CN Benzenesulfonamide, 4,4'-[(phenylethylenylidene)bis(4,5-dihydro-5-phenyl-1H-pyrazole-3,1-diyl)]bis- (9CI) (CA INDEX NAME)

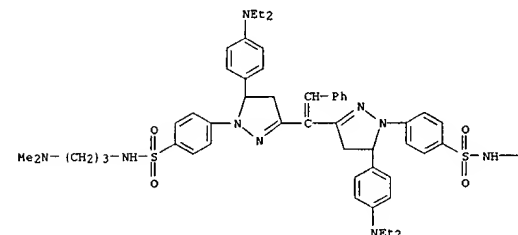


RN 141391-67-5 CAPLUS

CN Benzenesulfonamide, 4,4'-[(phenylethylenylidene)bis(4,5-dihydro-5-phenyl-1H-pyrazole-3,1-diyl)]bis[N-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

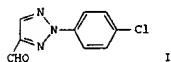
PAGE 1-A



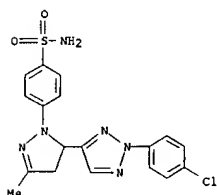
PAGE 1-B

— (CH₂)₃—NMe₂

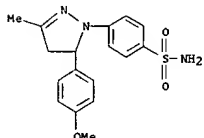
L5 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1992:6480 CAPLUS
 DN 116:6480
 TI Synthesis of nitrogenous compounds. Part III
 AU Mokhtar, H. M.; Farahat, O. O.
 CS Fac. Sci., Alexandria Univ., Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1991), 34(1), 9-15
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 GI



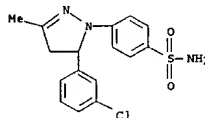
AB Condensation of formyltriazole I with hydrazines gave hydrazones which were subsequently transformed into triazolyloxadiazoles, -pyrazolines, -iminothiazolidinones, and -iminothiazinones.
 IT 137272-40-39
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and oxidative bromination or addn. reaction of, with isocyanates)
 RN 137272-40-3 CAPLUS
 CN Benzenesulfonamide, 4-[5-[2-(4-chlorophenyl)-2H-1,2,3-triazol-4-yl]-4,5-dihydro-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



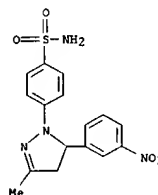
L5 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



L5 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1991:207194 CAPLUS
 DN 114:207194
 TI Synthesis of nitrogenous compounds. Part II
 AU Mokhtar, Hassan M.
 CS Fac. Sci., Alexandria Univ., Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1990), 33(1-2), 30-6
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 AB 2,4-Dioxohexenoates have been prepd. by the condensation of ketones with Et oxalate and converted to isoxazole, pyrazole, and quinoxaline derivs. for the study of structure activity relationship. A no. of trisubstituted pyrazoles have been synthesized to study their potential use as antimicrobial and/or hypoglycemic agents.
 IT 130953-84-3P 130953-88-7P 133506-68-0P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
 RN 130953-84-3 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3-chlorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

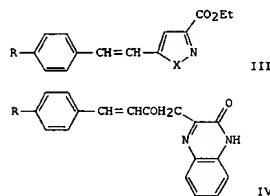


RN 130953-88-7 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4,5-dihydro-3-methyl-5-(3-nitrophenyl)-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



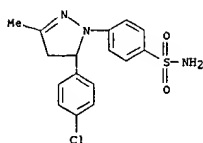
RN 133506-68-0 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1989:632651 CAPLUS
 DN 111:232651
 TI Synthesis of nitrogenous compounds from .delta.-unsaturated 1,3-dicarbonyl esters. Part I. Substituted pyrazoles, isoxazoles, and oxyquinoxalines
 AU Mokhtar, Hassan M.
 CS Fac. Sci., Alexandria Univ., Alexandria, Egypt
 SO J. Chem. Soc. Pak. (1988), 10(4), 414-24
 CODEN: JCSPDF; ISSN: 0253-5106
 DT Journal
 LA English
 OS CASREACT 111:232651
 GI



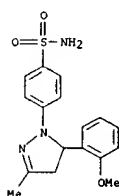
AB Condensation of 4-RC6H4CH:CHCO2Me (I; R = Me, Cl) with Et oxalate gave 4-RC6H4CH:CHCOCH2COCO2Et (II), which were converted to the Me esters by alcoholysis. II were converted by hydrazine or arylhydrazine into the corresponding Et pyrazole-3-carboxylates III (X = NR1; R = Me, Cl; R1 = H, Ph, 4-C6H4SO2NH2, 4-C6H4Cl, 4-C6H4NO2, etc.), which were hydrolyzed to the acids. With hydroxylamine, II afforded isoxazoles III (X = O), whereas, with o-phenylenediamine they gave oxyquinoxaline derivs. IV. II on reaction with acylhydrazines gave the acylhydrazones which were cyclized to the corresponding N-acylpyrazoles III (X = NCOR2; R = Me, Cl, R2 = Ph, 4-ClC6H4). Reaction of I with arylhydrazines afforded the corresponding hydrazones which on boiling with ethanol contg. two drops of HCl underwent cyclization to pyrazolines.
 IT 123909-96-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and bromination of)
 RN 123909-96-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

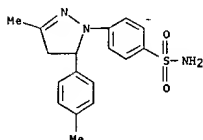


IT 123909-90-0P 123909-93-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

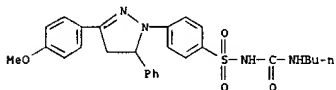
RN 123909-90-0 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(2-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



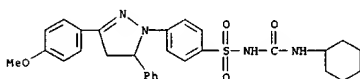
RN 123909-93-3 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-methyl-5-(4-methylphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



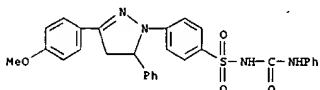
L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



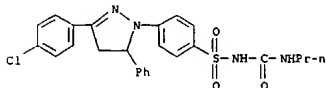
RN 122259-25-0 CAPLUS
 CN Benzenesulfonamide, N-[(cyclohexylamino) carbonyl]-4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



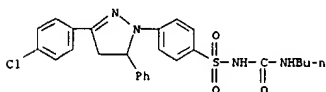
RN 122259-26-1 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino) carbonyl]- (9CI) (CA INDEX NAME)



RN 122259-27-2 CAPLUS
 CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]-N-[(propylamino) carbonyl]- (9CI) (CA INDEX NAME)



RN 122259-28-3 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino) carbonyl]-4-[3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1989:515095 CAPLUS

ON 111:115095

TI Pyrazole derivatives with possible hypoglycemic activity

AU Faid-Allah, Hassan M.; Mokhtar, Hassan M.

CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt

SO Indian J. Chem., Sect. B (1988), 27B(3), 245-9

CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

OS CASREACT 111:115095

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

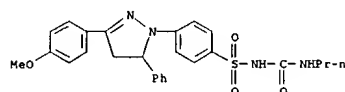
AB Condensation reaction of p-H₂NSO₂C₆H₄NHNH₂.HCl with p-RC₆H₄CH:CHCOC₆H₄R₁-p (R = H, R₁ = OMe, Cl, Br, NH₂; R = MeO, R₁ = H) gave the corresponding hydrazones in the presence of NaOAc; in the absence of NaOAc, the products were pyrazolines I (R₂ = H). Oxidn. of I with Br gave pyrazoles II (R₂ = H). Acylation and thioacylation of I and II with R₃NCX (R₃ = Pr, Bu, Ph, cyclohexyl, X = O; R₃ = allyl, Ph, cyclohexyl, PhCH₂, X = S) gave ureas and thioureas I and II [R₂ = CNHR₃]. Cyclocondensation of II (R₂ = C₆H₅) with Br(CH₂)_nCO₂Et (n = 1, 2) gave imino heterocycles III.

IT 122259-23-6P 122259-24-9P 122259-25-0P
 122259-26-1P 122259-27-2P 122259-28-3P
 122259-29-4P 122259-30-7P 122259-31-8P
 122259-32-9P 122259-33-0P 122259-34-1P
 122259-35-2P 122259-36-3P 122259-37-4P
 122259-38-5P 122259-39-6P 122259-40-9P
 122288-21-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 122259-23-8 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(propylamino) carbonyl]- (9CI) (CA INDEX NAME)



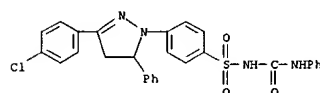
RN 122259-24-9 CAPLUS

CN Benzenesulfonamide, N-[(butylamino) carbonyl]-4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

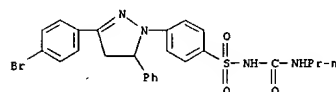
RN 122259-29-4 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino) carbonyl]- (9CI) (CA INDEX NAME)



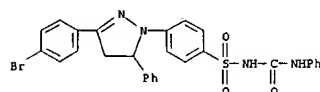
RN 122259-30-7 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-bromophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]-N-[(propylamino) carbonyl]- (9CI) (CA INDEX NAME)



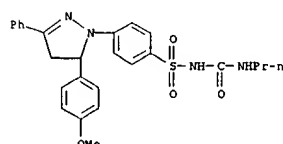
RN 122259-31-8 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-bromophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino) carbonyl]- (9CI) (CA INDEX NAME)



RN 122259-32-9 CAPLUS

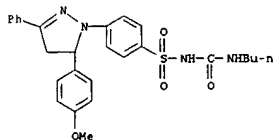
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(propylamino) carbonyl]- (9CI) (CA INDEX NAME)



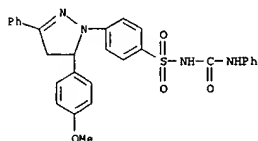
RN 122259-33-0 CAPLUS

CN Benzenesulfonamide, N-[(butylamino) carbonyl]-4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

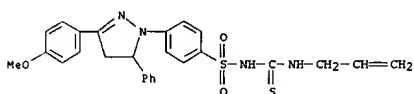
L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



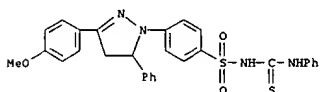
RN 122259-34-1 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 122259-35-2 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl)-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

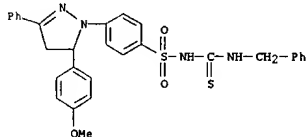


RN 122259-36-3 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl)-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

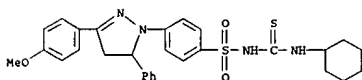


RN 122259-37-4 CAPLUS
CN Benzenesulfonamide, N-[(cyclohexylamino)thioxomethyl]-4-[(4,5-dihydro-5-(4-

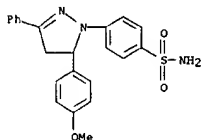
L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



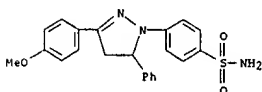
RN 122288-21-5 CAPLUS
CN Benzenesulfonamide, N-[(cyclohexylamino)thioxomethyl]-4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



IT 71203-35-5P 00003-92-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., oxidn., acylation, and thioacylation of)
RN 71203-35-5 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)

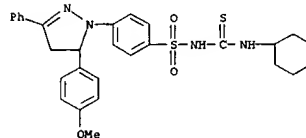


RN 80883-92-7 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)

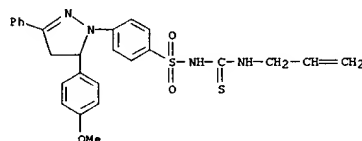


IT 77121-23-4P 122259-17-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

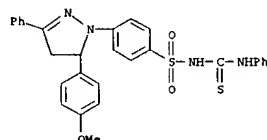
L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 122259-38-5 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



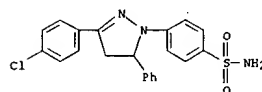
RN 122259-39-6 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



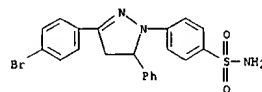
RN 122259-40-9 CAPLUS
CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)-N-[(phenylmethylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

(prepn., oxidn., and acylation of, with isocyanates)
RN 77121-23-4 CAPLUS
CN Benzenesulfonamide, 4-[(3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



RN 122259-17-0 CAPLUS
CN Benzenesulfonamide, 4-[(3-(4-bromophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



L5 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1988:550699 CAPLUS

DN 109:150699

TI 1-(4-Sulfamoylphenyl)-3-(4-fluorosulfonylphenyl)-5-phenyl-2-pyrazoline as a blue-green luminescent agent for polyethylene

IN Krasovitskii, B. M.; Sal'vitskaya, L. N.; Skripkina, V. T.; Pereyaslova, D. G.; Chumak, T. V.; Andreeva, L. P.; Serdechnaya, T. A.

PA USSR

SO U.S.S.R.
From: Otkrytiya, Izobret. 1988, (1), 76.

CODEN: UROXAF

DT Patent

LA Russian

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1364622	A1	19880107	SU 1985-3963018	19851008

AB The title compd. (I) is used (2.08-4.16 g) in luminescent compns. giving good brightness and strong luminescence, contg. phthalocyanine green 0.50-1.50, 4-amino-N-phenylphthalamic acid 0.83-1.66, p-MeC₆H₄SO₂NH₂ 43.96-45.58, melamine 8.49-8.80, (NaO)2P(O)OH 0.25-0.26%, and formalin.

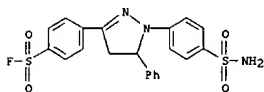
I7 116919-50-7

RL: USES (Uses)

(luminescent agent, in coloring of polyethylene)

RN 116919-50-7 CAPLUS

CN Benzenesulfonyl fluoride, 4-[1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1987:628455 CAPLUS

DN 107:228455

TI Preparation and antidiabetic activity of new substituted 3,5-diarylpyrazolesulfonyleurea derivatives. II: Structure-activity relationship

AU Soliman, Raafat; Faïd-Allah, Hassan M.; El Sadany, Samir K.

CS Coll. Pharm., Univ. Alexandria, Alexandria, Egypt

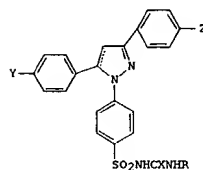
SO J. Pharm. Sci. (1987), 76(8), 626-32

CODEN: JPMSAE; ISSN: 0022-3549

DT Journal

LA English

GI



I, 4, 5-satd.

II, 4, 5-unsatd.

AB I [R = e.g., Me(CH₂)₂, cyclohexyl, Ph, Me(CH₂)₃, X = O or S, Y = H, Cl, Br or Me, Z = H or Me] were prep. by the condensation of appropriate chalcones with p-sulfamylphenylhydrazine followed by the reaction with isocyanates or isothiocyanates. II (R = e.g. Me(CH₂)₂, cyclohexyl, Ph, Y = O or S, Y = H, Cl, Br or Me, and Z = H or Me) were prep. by the oxidn. of the appropriate 1-(p-sulfamylphenyl)-3,5-diaryl-2-pyrazolines with Br water followed by reaction with isothiocyanates or isocyanates. II (X = O) showed marked hypoglycemic activity at 100 mg/kg in rats, and their potency was greater than that of phenformin (pos. control). The pyrazoles were more active than pyrazolines. Structure-activity relations are discussed.

I7 111607-01-3P 111607-02-4P 111607-03-5P

111607-04-6P 111607-05-7P 111607-06-8P

111607-07-9P 111607-08-0P 111607-09-1P

111607-10-4P 111607-11-5P 111607-12-6P

111607-13-7P 111607-14-8P 111607-15-9P

111607-16-0P 111607-17-1P 111607-18-2P

111607-19-3P 111607-20-6P 111607-21-7P

111607-22-8P 111607-23-9P 111607-24-0P

111607-25-1P 111607-26-2P 111607-27-3P

111607-28-4P 111607-29-5P 111607-30-8P

111607-31-9P 111607-32-0P 111607-33-1P

111607-34-2P 111607-35-3P 111607-36-4P

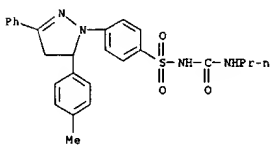
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

(prepn. and antidiabetic activity of)

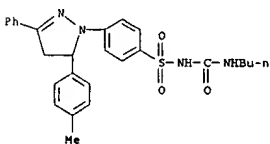
RN 111607-01-3 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(propylamino)carbonyl]- (9CI) (CA INDEX NAME)



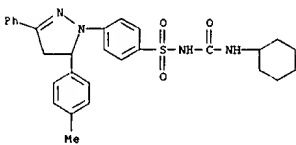
RN 111607-02-4 CAPLUS

CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-03-5 CAPLUS

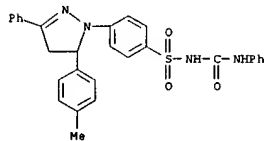
CN Benzenesulfonamide, N-[(cyclohexylamino)carbonyl]-4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-04-6 CAPLUS

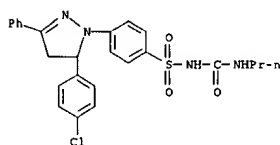
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



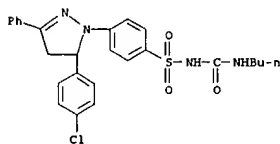
RN 111607-05-7 CAPLUS

CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(propylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 111607-06-8 CAPLUS

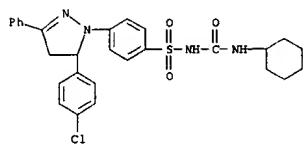
CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



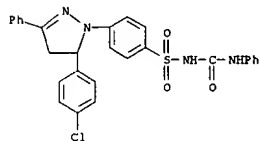
RN 111607-07-9 CAPLUS

CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

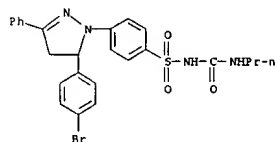
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-08-0 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

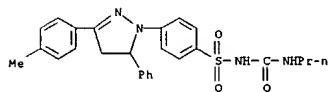


RN 111607-09-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(propylamino)carbonyl]- (9CI) (CA INDEX NAME)

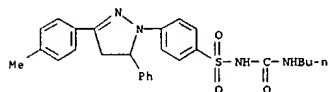


RN 111607-10-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(butylamino)carbonyl]- (9CI) (CA INDEX NAME)

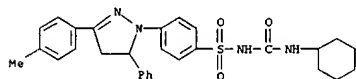
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



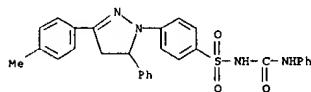
RN 111607-14-8 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-15-9 CAPLUS
 CN Benzenesulfonamide, N-[(cyclohexylamino)carbonyl]-4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

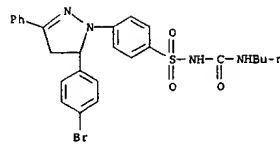


RN 111607-16-0 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

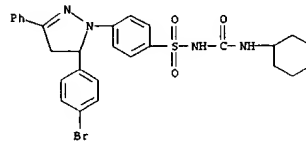


RN 111607-17-1 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

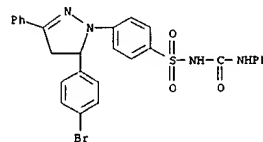
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-11-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)

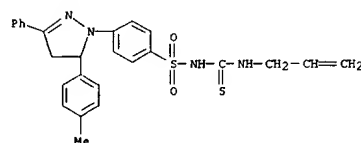


RN 111607-12-6 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)carbonyl]- (9CI) (CA INDEX NAME)

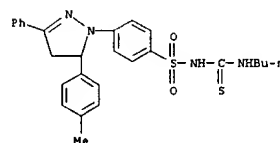


RN 111607-13-7 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(propylamino)carbonyl]- (9CI) (CA INDEX NAME)

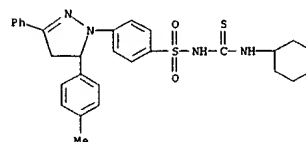
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-18-2 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)thioxomethyl]-4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

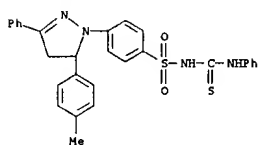


RN 111607-19-3 CAPLUS
 CN Benzenesulfonamide, N-[(cyclohexylamino)thioxomethyl]-4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

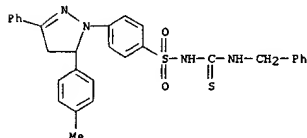


RN 111607-20-6 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

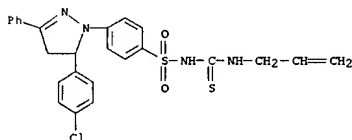
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-21-7 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl- (9CI) (CA INDEX NAME)

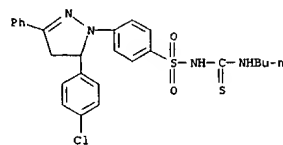


RN 111607-22-8 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

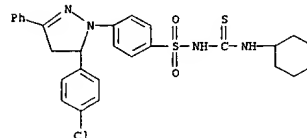


RN 111607-23-9 CAPLUS
 CN Benzenesulfonamide, N-[(butylamino)thioxomethyl]-4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

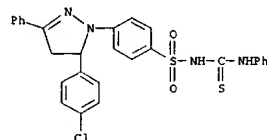
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-24-0 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(cyclohexylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

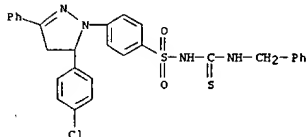


RN 111607-25-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

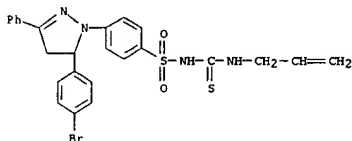


RN 111607-26-2 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl- (9CI) (CA INDEX NAME)

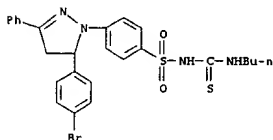
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 111607-27-3 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

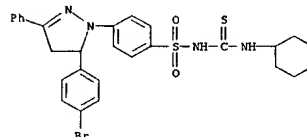


RN 111607-28-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(butylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

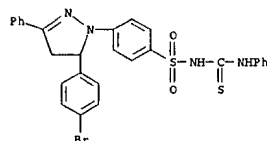


RN 111607-29-5 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(cyclohexylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

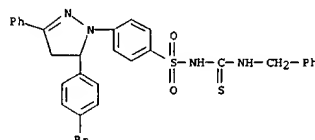
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



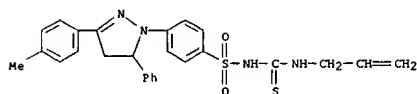
RN 111607-30-8 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)



RN 111607-31-9 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl- (9CI) (CA INDEX NAME)

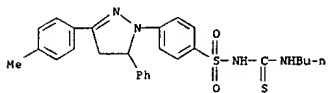


RN 111607-32-0 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(2-propenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

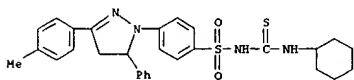


RN 111607-33-1 CAPLUS

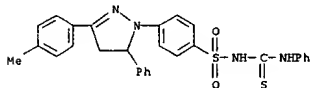
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
 CN Benzenesulfonamide, N-[(butylamino)thioxomethyl]-4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



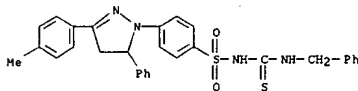
RN 111607-34-2 CAPLUS
 CN Benzenesulfonamide, N-[(cyclohexylamino)thioxomethyl]-4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-35-3 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylamino)thioxomethyl]- (9CI) (CA INDEX NAME)

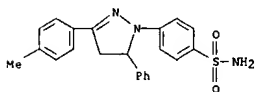


RN 111607-36-4 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]-N-[(phenylmethyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)

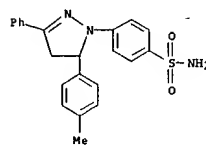


IT 111607-57-9P 111607-58-0P 111607-59-1P
 111607-60-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and dehydrogenation or reaction with isothiocyanates or isocyanates)
 RN 111607-57-9 CAPLUS

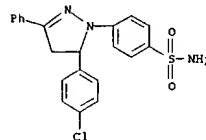
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



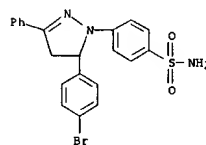
L5 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-58-0 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

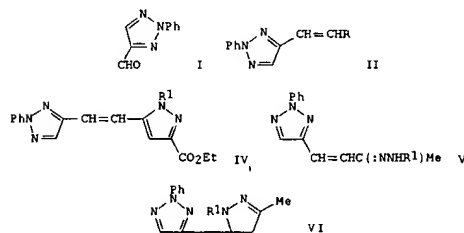


RN 111607-59-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 111607-60-4 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

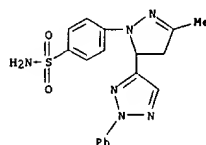
L5 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1986:148807 CAPLUS
 DN 104:148807
 T1 Synthesis of trisubstituted pyrazoles with possible antimicrobial activity
 AU Mokhtar, Hassan M.
 CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt
 SO Pak. J. Sci. Ind. Res. (1985), 28(2), 85-91
 CODEN: PSIRAA; ISSN: 0030-9885
 DT Journal
 LA English
 GI



AB Condensation of formyltriazole I, prepd. from D-arabino-hexose phenylisotriazole, with Me2CO gave unsatd. ketone II (R = COMe) (III) which was condensed with EtO2CCO2Et to give IV (R = OCH2CCO2Et) followed by cyclocondensation with hydrazine to give pyrazoles IV (R1 = H, Ph, substituted Ph, 2-pyridyl, cinnolin-1-yl). Condensation of III with hydrazines gave V which underwent cyclization to give pyrazolines VI (R1 = Ph, substituted Ph, 2-pyridyl).

IT 100568-26-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 100568-26-1 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-3-methyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)

L5 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1982:104140 CAPLUS

DN 96:104140

TI Trisubstituted pyrazoles of possible antidiabetic and antibacterial activity

AU Feid-Allah, Hassan M.

CS Chem. Dep., Fac. Sci., Alexandria, Egypt

SO Pharmazie (1981), 36(11), 754-6

CODEN: PHARAT; ISSN: 0031-7144

DT Journal

LA English

AB Condensation of benzalacetone and dibenzalacetone with 4-H₂NSO₂C₆H₄NHNH₂ (I) and 2-pyridylhydrazine led to the corresponding hydrazones. These were readily cyclized to pyrazolines on heating with HCl. The reaction of substituted benzalacetophenones with I and 2-pyridylhydrazine gave the pyrazoline derivs. directly. Oxidn. of the pyrazolines with Br-H₂O afforded the pyrazoles. Reaction of epoxy-p-methoxybenzalacetophenone with I gave a hydroxypyrazoline which oxidized to the hydroxypyrazole with Br-H₂O. Condensation of acylhydrazines with substituted benzalacetophenones afforded the corresponding acylhydrazones.

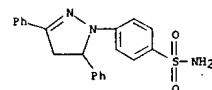
IT 10179-57-4P 71203-35-5P 80883-90-5P

80883-91-6P 80883-92-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and oxidn. of)

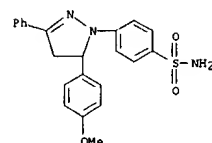
RN 10179-57-4 CAPLUS

CN Benzenesulfonamide, 4-(4,5-dihydro-3,5-diphenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



RN 71203-35-5 CAPLUS

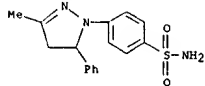
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 80883-90-5 CAPLUS

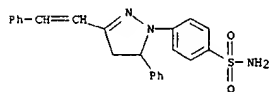
CN Benzenesulfonamide, 4-(4,5-dihydro-3-methyl-5-phenyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)

L5 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



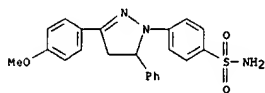
RN 80883-91-6 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-5-phenyl-3-(2-phenylethenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 80883-92-7 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

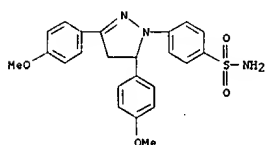


IT 80883-93-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 80883-93-8 CAPLUS

CN Benzenesulfonamide, 4-[4,5-dihydro-3,5-bis(4-methoxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1981:140571 CAPLUS

DN 94:140571

TI Coloring of polyethylene by blue daytime fluorescent pigments

AU Sal'vitskaya, L. N.; Nesterkina, I. G.; Chumak, T. V.

CS Vses. Nauchno-Issled. Inst. Monokristal., Kharkov, USSR

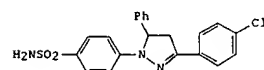
SO Khim. Prom-st., Ser.: Proizvod. Peterab. Plastmass Sint. Smol (1980), (7), 18-20

CODEN: KPSSDO

DT Journal

LA Russian

GI



AB Colored polyethylene [9002-88-4] parts with increased brightness and migration resistance of daylight fluorescent pigments are prep'd. using pyrazoline deriv. I bonded with melamine toluenesulfonamide deriv.-HCHO copolymer as luminophor and phthalocyanine blue [147-14-8] as pigment. The polymer in granular form was colored with pigments contg. 1.0 and 2.0% luminophor by molding at 210.degree. using 0.2% vaseline oil as wetting agent. The pigments were uniformly distributed in the polymer.

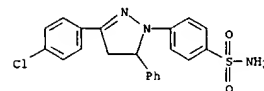
IT 77121-23-4B, reaction products with melamine toluenesulfonamide deriv.-formaldehyde polymers

RL: USES (Uses)

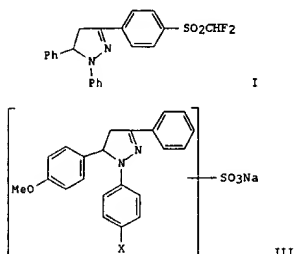
(daylight fluorescent pigments, for polyethylene)

RN 77121-23-4 CAPLUS

CN Benzenesulfonamide, 4-[3-(4-chlorophenyl)-4,5-dihydro-5-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2001 ACS
 AN 1979:524849 CAPLUS
 DN 91:124849
 TI Organic luminophores of the pyrazoline series - luminescent constituents of
 fluorescent pigments
 AU Pereyaslova, D. G.; Bondarenko, V. E.; Skripkina, V. T.; Vinetskaya, Yu.
 M.; Bogdanova, L. I.
 CS Nauchno-Proiz. Ob'edin. "Monokristallreaktiv", USSR
 SO Khim. Zh. (Russ. Ed.) (1979), 45(6), 553-6
 CODEN: UKZH4U; ISSN: 0041-6045
 DT Journal
 LA Russian
 GI



AS The addn. of 3-(4-difluoromethylsulfonylphenyl)-1,5-diphenyl-1-DELT. 2-pyrazoline (II) [61102-38-3] to aminosulfonyltoluene-formaldehyde-melamine copolymer (I) [39277-28-6] gave a bright yellow fluorescent pigment with strong light absorption at 564 nm. When I and Rhodamine S [16217-64-4] were added to II the resulting orange-red pigment absorbed strongly at 609 nm. Similarly, a green fluorescent pigment was obtained by adding 1,4-bis[1,5-diphenyl-1-DELT. 2-3-pyrazolinyl]benzene [71203-34-4] and Direct Lightfast Turquoise K [50642-57-4] to II. Other shades of pigments were prepared by adding 1-(4-difluoromethylsulfonylphenyl)-3,5-diphenyl-1-DELT. 2-pyrazoline [61102-37-2], or pyrazoline sulfonate III, X = H, H2NSO2, or C17H35CONHSO2 (IV) to II. The synthesis of III (X = H) or III (X = H2NSO2) involved reacting sulfonated 4-methoxybenzalacetophenone with PhN:HN [100-63-0] or 4-H2NSO2C6H4N:HN [4392-54-5], resp. Refluxing III (X = H2NSO2) with stearic chloride [112-76-5] gave IV.

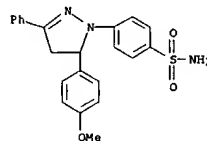
IT 71203-35-5D, sodium sulfonate salt 71203-36-6D, sodium sulfonate salt

RL: USES (Uses)

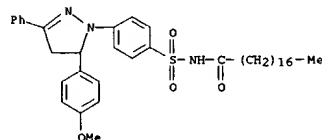
(Luminophore, for fluorescent pigments contg. aminosulfonyltoluene-formaldehyde-melamine copolymer)

RN 71203-35-5, CAPIUS

L5 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)
CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 71203-36-6 CAPLUS
CN Octadecanamide, N-[[4-{4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

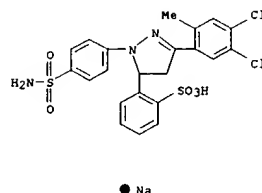


L5 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2001 ACS
AN 1973:406798 CAPLUS
DI 79:6798
TN 3-(3',4'-Dichloro-6'-alkylphenyl)-2-pyrazoline derivatives as fluorescent
whiteners
IN Wexler, Helmut
PA Farbwerke Hoechst A.-G.
SO Ger. Offen., 29 pp. Addn. to Ger. Offen. 2,011,552 (CA 76:87172y).
CODEN: GWXXBX
DT Patent
LA German
EAN CPT. 1

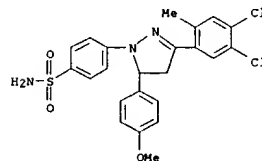
PAN-UNIT	PERMIT NO.	KIND	DATE	APPLICATION NO.	DATE
P1	DE 2145019	A1	19730322	DE 1971-2145019	19710909
	NL 17212025	A	19730313	NL 1972-12025	19720904
	BR 7206164	A0	19730925	BR 1972-6164	19720906
	CH 12313074	A4	19760715	CH 1972-13074	19720906
	CH 585728	A	19770315	CH 1975-3060	19720906
	US 3858816	A	19750211	US 1972-287075	19720907
	0606044	A	19760937	DE 1972-289232	19720907
	JP 48036476	A2	19730529	JP 1972-89641	19720908
	CA 994774	A1	19760810	CA 1972-151239	19720908
	BE 788658	A4	19730312	BE 1972-121892	19720911
	FR 2155268	A6	19750518	FR 1972-32090	19720911
	GB 1404037	A	19750828	GB 1972-42162	19720911
	US 3957815	A	19760518	US 1974-483355	19740626
	US 4045169	A	19770830	US 1976-658891	19760218
PRA1	BE 1971-764127	A	19710331		
	US 1974-2145019		19710909		
	US 1972-287075		19720907		
	US 1974-483355		19740626		

AS	Fluorescent whiteners (I, R = Me, Et; R1 = H, O- $\text{NaO}3\text{CGH}_4$, p-MeOC GH_4 ; R2 = H, CF 3 ; R3 = H, Cl, SO 2NH_2 , SO 3Na , CN, alkylsulfonyl, alkylsulfamoyl, alkoxycarbonyl, carboxy; R4 = H, Cl, CF 3) were prepd. and were used as whitening agents in textile wash baths and incorporation into polyacrylonitrile before spinning to fibers. Thus, 3,4,6-Cl 2 MeC $\text{GH}_2\text{COCH}_2\text{CH}_2\text{CN}$ was condensed with p-HO $\text{3SCGH}_4\text{NH}_2$, to give fluorescent whiteners I (R = Me; R1 = R2 = R4 = H, R3 = SO 3Na) [40453-21-2]. The other I were similarly prepd.
IT	42803-39-4P 42803-41-8P RL: IMF (Industrial manufacture); PREP (Preparation) (prep. cf)
RN	42803-39-4 CFIJUS
CN	Benzenesulfonic acid, 2-[1-[4-(aminosulfonyl)phenyl]-3-(4,5-dichloro-2-methylphenyl)-4,5-dihydro-1H-pyrazol-5-yl]-, monosodium salt (9CI) (CA INDEX NAME)

L5 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 42803-41-8 CAPLUS
CN Benzenesulfonamide, 4-[3-(4,5-dichloro-2-methylphenyl)-4,5-dihydro-5-(4-methoxyphenyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1971:55144 CAPLUS

DN 74:55144

TI Optical whiteners for synthetic polyamide or polyacrylonitrile fibers

IN Noll, Bernd; Knoechel, Gerhard; Chmell, Gerhard; Wolf, Friedrich; Pfeifer, Klaus P.

SO Ger. (East), 11 pp.

CODEN: GEXXAS

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 73314		19700520	DD	19681009

PI For diagram(s), see printed CA Issue.

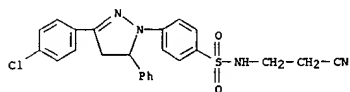
GI The title compds. (I, R = H or Ph, R1 = H, Me, or CH₂CH₂CN) are prepd. by heating 4-ClC₆H₄Ac with NH₄Cl and HCHO soln. and adding 4-H₂NNHC₆H₄SO₂NHCH₂CH₂CN (II) in aq. alc. contg. caustic soda; by heating 4-ClC₆H₄COCH₂CH₂Cl (III) with II in MeOH; by heating 1-(p-sulfamoylphenyl)-3-(p-chlorophenyl)-2-pyrazoline with CH₂:CHCN in aq. NaOH; or by heating 4-ClC₆H₄COCH:CHPh with II. Thus, 20.2 g III was refluxed for 1 hr with 24 g II in 250 ml MeOH contg. 15 ml pyridine to prep. I (R = R1 = H). Similarly, 3 other I were prepd.

IT 26687-27-4P

RL: IMF (Industrial manufacture); PREP (Preparation) (prepn. of)

RN 26687-27-4 CAPLUS

CN Benzenesulfonamide, p-[3-(p-chlorophenyl)-5-phenyl-2-pyrazolin-1-yl]-N-(2-cyanoethyl)- (8CI) (CA INDEX NAME)



L5 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2001 ACS

AN 1970:500072 CAPLUS

DN 73:100072

TI 1-[p-(N-(Cyanoethyl)sulfamoyl)phenyl]-3-(p-chlorophenyl)-2-pyrazolines as whitening agents

IN Noll, Bernd; Knoechel, Gerhard; Chmell, Gerhard; Wolf, Friedrich; Pfeifer, Klaus P.

PA VEB Farbenfabriken Wolfen

SO Ger. Offen., 11 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1906123	A	19700702	DE 1969-1906123	19690207
AT 303027	B	19721110	AT 1969-1386	19690211
CS 150685	P	19730904	CS 1969-6698	19691007

PRAI DD 1968-135262 19681009

GI For diagram(s), see printed CA Issue.

AB I (R = R1 = H) was prepd. by heating p-ClC₆H₄Ac with NH₄Cl and aq. H₂CO, adding the lower layer to p-H₂NNHC₆H₄SO₂NHCH₂CH₂CN in aq. alc. NaOH, and boiling for 3 hr. Three other I were also prepd. I are useful as fluorescent whitening agents for fibers of polyacrylonitrile, copolymers of acrylonitrile, or synthetic polyamides.

IT 26687-27-4P

RL: IMF (Industrial manufacture); PREP (Preparation) (prepn. of)

RN 26687-27-4 CAPLUS

CN Benzenesulfonamide, p-[3-(p-chlorophenyl)-5-phenyl-2-pyrazolin-1-yl]-N-(2-cyanoethyl)- (8CI) (CA INDEX NAME)

